

1. An article, comprising:

a topsheet having a body-facing surface, said topsheet having medicinal composition applied in a pattern to a region of the body-facing surface of the topsheet in an amount between about 0.05 mg/cm<sup>2</sup> and about 50 mg/cm<sup>2</sup> and wherein said pattern  
5 comprises individual segments having at least one dimension of about 4 millimeters or less; and

an absorbent material positioned adjacent said topsheet.

2. The article of Claim 1, wherein the article further comprises a backsheet; and  
10 wherein the absorbent material positioned between said topsheet and said backsheet.

3. The article of Claim 2, wherein the backsheet is a liquid-impervious backsheet.

4. The article of Claim 1, wherein said pattern comprises a plurality of substantially  
15 continuous lines having a width less than about 4 millimeters.

5. The article of Claim 4, wherein said pattern of substantially continuous lines have a width less than about 1 millimeters.

6. The article of Claim 1, wherein said medicinal composition is present upon said  
20 body-facing surface of said topsheet in an amount between about 1 and about 25 mg/cm<sup>2</sup>.

7. The article of Claim 1, wherein each square centimeter of said region containing  
said patterned medicinal composition has a substantially uniform pattern application of  
25 medicinal composition and wherein the amount of medicinal composition varies in said region by less than about 5% from the average amount of medicinal composition per square centimeter.

8. The article of Claim 7, wherein each square centimeter of said region containing  
30 said patterned medicinal composition has a substantially uniform pattern application of medicinal composition and wherein the amount of medicinal composition varies in said region by less than about 2% from the average amount of medicinal composition per square centimeter.

9. The article of Claim 1, wherein said pattern comprises a matrix of discrete segments and further wherein the discrete segments have a length and width less than about 0.9 mm.

5 10. The article of Claim 9, wherein said discrete segments are positioned upon said topsheet in a frequency between about 1 Hz and about 100 kHz.

11. The article of Claim 9, wherein said discrete segments have a volume of between about 3 picoliters and about 400 nanoliters.

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12. The article of Claim 1, wherein the medicament further includes a filler.

13. The article of Claim 1, wherein the topsheet comprises a woven, nonwoven, or laminate thereof.

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14. An absorbent article, comprising:

a topsheet having a body-facing surface, said topsheet comprising a porous material and having medicinal composition applied in a pattern upon the body-facing surface of the topsheet in an effective amount and wherein said pattern comprises a matrix of discrete segments having a volume of between about 3 picoliters and about 400 nanoliters; and

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an absorbent material positioned adjacent said topsheet.

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15. The absorbent article of Claim 14, wherein the article further comprises a backsheet; and

wherein the absorbent material positioned between said topsheet and said backsheet.

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16. The absorbent article of Claim 14, wherein said discrete segments have a substantially semicircular cross-section extending above the body-facing surface of the topsheet.

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17. The absorbent article of Claim 14, wherein said discrete segments are positioned upon said topsheet in a frequency between about 1 Hz and about 100 kHz.

18. The absorbent article of Claim 14, wherein said discrete segments are located only upon selected regions of the topsheet.

19. The absorbent article of Claim 14, wherein said discrete segments are located only within spaced lines extending across the topsheet and wherein said lines have a width less than about 4 mm.

20. The absorbent article of Claim 14, wherein the medicinal composition further includes a filler.

21. The absorbent article of Claim 14, wherein the absorbent article comprises one or more components of a personal care product.

22. The absorbent article of Claim 21, wherein the personal care product is selected from a diaper, training pant, absorbent underpant, adult incontinence product, sanitary wipe, wet wipe, feminine hygiene product, wound dressing, nursing pad, time release patch, bandage, mortuary product, veterinary product, hygiene and absorbent product.

23. A process for producing a medicament treated material, said process comprising: providing a substrate; and applying a medicament composition to the substrate in discrete segments; wherein the medicament composition is present on the substrate in a frequency of about 1 Hz to about 100 kHz.

24. The process of Claim 23, wherein the step of applying the medicament or medicament composition to the substrate comprises the projection of the medicament from a discharge orifice.

25. The process of Claim 23, wherein the step of providing a substrate comprises providing a woven, nonwoven, film or laminate thereof.

26. The process of Claim 23, wherein the step of providing a substrate comprises providing a web of fibers, wherein said web of fibers comprises a nonwoven material.

27. The process of Claim 23, wherein said discrete segments are located only upon selected regions of the substrate.

28. The process of Claim 23, wherein the medicament contains a lipid.

29. The process of Claim 23, wherein the medicament is applied to the substrate at a  
5 temperature of about 15°C to about 135°C.

30. The process of Claim 23, wherein the discrete placement is achieved by valve jet, piezo jet, spraying or any non-contact means of application.

10 31. The process of Claim 30, wherein the discrete placement is achieved by piezo jet.

32. The process of Claim 31, wherein the medicament applied to the substrate has a viscosity of up to about 25 centipoise at the time of application.

15 33. The process of Claim 31, wherein the medicament applied to the substrate has a viscosity of about 4 centipoise to about 20 centipoise at the time of application.

34. The process of Claim 31, wherein the medicament applied to the substrate has a viscosity of about 8 centipoise to about 14 centipoise at the time of application.

20 35. The process of Claim 31, wherein said pattern comprises a matrix of discrete segments having a volume of between about 3 and about 200 picoliters.

25 36. The process of Claim 31, wherein said discrete segments are placed upon substrate in a frequency between about 10 and about 100 drops per cm<sup>2</sup>.

37. The process of Claim 23, wherein the medicament is applied to the substrate at a frequency of about 10 kHz to about 50 kHz.

30 38. The process of Claim 36, wherein the discrete placement is achieved by valve jet.

39. The process of Claim 38, wherein the medicament applied to the substrate has a viscosity of about 1 centipoise to about 300 centipoise at the time of application.

35 40. The process of Claim 38, wherein the medicament applied to the substrate has a viscosity of about 4 centipoise to about 50 centipoise at the time of application.

41. The process of Claim 38, wherein said pattern comprises a matrix of discrete segments having a volume of between about 5 and about 400 nanoliters.

5 42. The process of Claim 23, wherein the medicament is applied to the substrate at a frequency of about 1 Hz to about 2 kHz.

43. The process of Claim 42, wherein the medicament is applied to the substrate at a frequency of about 500 Hz to about 1.2 kHz.

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